



United States  
Department of  
Agriculture

Forest  
Service

March 2014



# Draft Environmental Impact Statement

## North and West Big Hole Allotment Management Plans

Wisdom and Wise River Ranger Districts, Beaverhead-Deerlodge National Forest  
Beaverhead and Anaconda-Deerlodge Counties, Montana



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**North and West Big Hole Allotment Management Plans  
Draft Environmental Impact Statement  
Beaverhead and Anaconda-Deerlodge Counties, Montana**

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<b>Cooperating Agencies:</b>	<b>Bureau of Land Management (BLM) Butte and Dillon Field Offices, Montana Fish, Wildlife, and Parks (FWP) Butte Office</b>
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## ABSTRACT

The Beaverhead-Deerlodge National Forest (BDNF), Wisdom/Wise River Ranger District, is proposing to update grazing management and infrastructure on eleven domestic livestock grazing allotments (Seymour, Fishtrap, Mudd Creek, Pintlar Creek, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes, Monument, Pioneer, and Saginaw) to comply with the applicable 2009 Beaverhead-Deerlodge Land and Resource Management Plan (Forest Plan) direction. The North and West Big Hole Allotment Management Plans project area encompasses 170,502 acres located north and west of the Pioneer Mountains in the Big Hole and Lima-Tendoy Landscapes, about 10-30 highway miles from Wisdom Montana and about 15-70 highway miles from Wise River Montana (See Figure 1 below).

Concerns identified for this project include:

- *Livestock management in riparian areas.*
- *Maintaining and/or improving Westslope Cutthroat Trout (WCT) and Western Toad populations and habitat.*
- *Stream bank stability.*

Alternatives include:

- *No Action (No Grazing)*
- *Current Management*
- *Proposed Action*
- *Alternative 4*

The responsible official has identified the Proposed Action as the Preferred Alternative at this time.

## How and Where to Comment

Reviewers should provide the Forest Service with their comments during the review period of the draft environmental impact statement. This will enable the Forest Service to analyze and respond to the comments at one time and to use information acquired in the preparation of the final environmental impact statement, thus avoiding undue delay in the decision making process. Reviewers have an obligation to structure their participation in the National Environmental Policy Act process so that it is meaningful and alerts the agency to the reviewers' position and contentions (Vermont Yankee Nuclear Power Corp. v. NRDC, 435 U.S. 519, 553 (1978)). Environmental objections that could have been raised at the draft stage may be waived if not raised until after completion of the final environmental impact statement (City of Angoon v. Hodel (9<sup>th</sup> Circuit, 1986) and Wisconsin Heritages, Inc. v. Harris, 490 F. Supp. 1334, 1338 (E.D. Wis. 1980)).

Comments on the Draft Environmental Impact Statement should be specific and should address the adequacy of the statement(s) and the merit(s) of the alternatives discussed (40 CFR 1503.3).

**Send Comments to:**

**Mailed written comments** - Attention Leaf Magnuson, Beaverhead-Deerlodge National Forest, 420 Barrett Street, Dillon, MT 59725.

**Hand delivered written comments** - Weekdays 7:30 am-4:30 pm to the Beaverhead-Deerlodge National Forest office at 420 Barrett Street, Dillon, MT 59725. Please make attention to Leaf Magnuson

**Electronic comments** - Please submit in one of the following formats: word (.doc or .docx), rich text format (.rtf), text (.txt) and/or hypertext markup language (.html) to [comments-northern-beaverhead-deerlodge@fs.fed.us](mailto:comments-northern-beaverhead-deerlodge@fs.fed.us). Make sure in the Subject heading it says **NWBH AMP's**.

**Fax comments** - Attention Leaf Magnuson NWBH AMP's. 406.683.3936

**Date Comments Must Be Received:**

May12, 2014

## SUMMARY

The Beaverhead-Deerlodge National Forest proposes to issue revised grazing permits with updated grazing management and infrastructure for eleven domestic livestock grazing allotments (Seymour, Fishtrap, Mudd Creek, Pintlar Creek, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes, Monument, Pioneer, and Saginaw) to comply with the applicable 2009 Beaverhead-Deerlodge Land and Resource Management Plan (Forest Plan) direction. The area affected by the proposal includes those United States Department of Agriculture (USDA) Beaverhead-Deerlodge National Forest (BDNF) lands, Bureau of Land Management (BLM) lands, and Montana Fish, Wildlife, and Parks (FWP) lands that lie within the boundaries of the eleven allotments and those outlined in the 2012 Agreement for Coordination Management of Rangeland (ACMR) with the Bureau of Land Management (BLM), and the 2011 Cooperative Livestock Grazing Management Agreement (CLGMA) with Montana Fish, Wildlife, and Parks (FWP) for the Mount Haggin Wildlife Management area. See Table 2 – 6 and Figure 1 below for location information.

This action is needed, because there is new direction in the Forest Plan for livestock grazing, site-specific suitability is needed, and site specific Allowable Use Levels (AUL's) are needed.

Four alternatives were analyzed in detail. The No Grazing Alternative is required by regulations found in the National Environmental Policy Act (NEPA) at 40 CFR 1502.14(d) and by Forest Service Handbook (FSH) 2209.13 Chapter 90. The Current Management Alternative was developed based on the information disclosed in the existing term grazing permits. The Proposed Action Alternative was developed based on actions needed to comply with the Forest Plan. Alternative 4 was developed based on scoping comments and issues from the public and internally.

Below is a brief description of each alternative.

1 – *No Action Alternative*. Under this alternative domestic livestock grazing permits on National Forest Service (NFS) lands within the eleven allotments would be discontinued with a minimum of two years notice (36 CFR 222.4(a)(1) to permittees. No new term grazing permits for domestic livestock grazing would be issued and no new infrastructure would be implemented.

2 – *Current Management Alternative*. Under this alternative new term domestic livestock grazing permits would be issued with the current grazing management, infrastructure, and numbers identified on the existing term grazing permit. The Interim Livestock Grazing Standards (Forest Plan Ch. 3, pg. 26) would apply, the 2012 Agreement for Coordination Management of Rangeland (ACMR) with the Bureau of Land Management (BLM), and the 2011 Cooperative Livestock Grazing Management Agreement (CLGMA) with Montana Fish, Wildlife, and Parks (FWP) for the Mount Haggin Wildlife Management area would apply. No new infrastructure would be implemented and annual compliance and long-term rangeland monitoring would continue

3 – *Proposed Action Alternative*. Under this alternative new term domestic livestock grazing permits for up to 10 years would be issued for all eleven allotments. Some allotments will have a change in the Head Months, livestock numbers, Season of Use (SOU), infrastructure, and/or type of grazing system. All of the allotments would implement the site specific Allowable Use Levels (AUL's) and all will have annual compliance and long term rangeland monitoring. Seymour Allotment will also have monitoring as outlined in the 2011 Cooperative Livestock Grazing Management Agreement (CLGMA) with Montana Fish, Wildlife, and Parks (FWP) for the Mount Haggin Wildlife Management. The 2012 Agreement for Coordination Management of Rangeland (ACMR) with the Bureau of Land Management (BLM) will also continue to be implemented.

4 – *Alternative 4*. This alternative is similar to the Proposed Action Alternative. In addition to the actions proposed in alternative 3, this alternative will also include avoidance periods, removal of cattle for 10 years on some pastures, and additional infrastructure (fencing, water tanks, piping, hardened crossings, etc.).

Based on the analysis in Chapter 3 of this Draft Environmental Impact Statement (DEIS), the following is a general summary of the impacts by alternative.

#### **Major conclusions:**

With the implementation of the Design/Mitigation features and the various actions proposed under the *Proposed Action* and *Alternative 4*, all resources will:

- Meet applicable Forest Plan Standards for Range Management.
- Move the forest towards the Forest Wide goals for Range Management.
- Address the three concerns (livestock in riparian areas, Westslope Cutthroat Trout and Western Toad populations and habitat, and stream bank stability) identified during scoping.
- Meet the Purpose and Need for the project of updating the grazing management and infrastructure on the eleven domestic livestock grazing allotments to comply with the applicable Forest Plan direction.

The *No Action* and *Current Management* Alternatives will:

- Not meet applicable Forest Plan Standards for Range Management.
- Not move the forest towards the Forest Wide goals for Range Management.
- Not meet the Purpose and Need of updating the grazing management and infrastructure on the eleven domestic livestock grazing allotments to comply with the applicable Forest Plan direction.
- Not address the three concerns (livestock in riparian areas, Westslope Cutthroat Trout and Western Toad populations and habitat, and stream bank stability) identified during scoping.

Based upon the effects of the alternatives analyzed in detail, the responsible official will decide whether to:

- Implement the Preferred Alternative.
- Implement one of the other alternatives.
- Implement a combination of the alternatives.

## DOCUMENT STRUCTURE

The Forest Service has prepared this Environmental Impact Statement in compliance with the National Environmental Policy Act (NEPA) and other relevant Federal and State laws and regulations. This Environmental Impact Statement discloses the direct, indirect, and cumulative environmental impacts that would result from the proposed action and other alternatives. The document is organized into four chapters:

*Chapter 1 - Purpose and Need for Action:* This chapter includes information on the history of the project proposal, the purpose of and need for the project, and the agency's proposal for achieving that purpose and need. This section also details how the Forest Service informed the public of the proposal and how the public responded.

*Chapter 2 - Alternatives, including the Proposed Action:* This chapter provides a more detailed description of the agency's proposed action as well as alternative methods for achieving the stated purpose. These alternatives were developed based on significant issues raised by the public and other agencies. This discussion also includes design features and mitigation measures. Finally, this section provides a summary table of the environmental consequences associated with each alternative.

*Chapter 3 - Affected Environment and Environmental Consequences:* This chapter describes the environmental effects of implementing the proposed action and the other alternatives. This analysis is organized by resource area by allotment.

*Chapter 4 - Cooperators, Consultation /Coordination, and Preparers:* This chapter provides a list of preparers and agencies consulted during the development of the environmental impact statement. This chapter will also include the resource references, glossary, and the index.

*Chapter 5 -Appendices:* The appendices provide more detailed information to support the analyses presented in the environmental impact statement such as project and resource specific maps, tables, comments, and Forest Plan Consistency.

Additional documentation, including more detailed analyses of project-area resources, may be found in the project planning record located at the Wisdom Ranger District office in Wisdom Montana.

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# CHAPTER 1. PURPOSE OF AND NEED FOR ACTION

## Background

### *Why Here, Why Now*

All eleven allotments in this project contain lands suitable for domestic livestock grazing (See Range Section in Chapter 3, pgs. 220-274). Where consistent with other multiple-use goals and objectives there is Congressional intent to allow grazing on suitable lands (Multiple-Use Sustained Yield Act of 1960, Wilderness Act of 1964, Forest and Rangeland Renewable Resource Planning Act of 1974, Federal Land Policy and Management Act of 1976, National Forest Management Act of 1976). It is Forest Service policy to make forage available to qualified livestock operators from lands suitable for grazing consistent with land management plans (Forest Service Manual 2203.1(6)).

Use of forage for livestock is regulated through an Allotment Management Plan (AMP). Since the existing AMP's were prepared, there have been changes in resource condition (wildfire, drought, regrowth of past timber sales, etc.), permit administration direction (type of monitoring, Annual Operating Instructions (AOI's), access to infrastructure, etc.), and regulatory requirements (1995 Recession Act, as amended (Public Law 104-19, Section 504, 109 Stat. 212), 1995 Settlement Agreement between the Beaverhead national Forest and the National and Montana Wildlife Federation, 2009 Beaverhead-Deerlodge National Forest Land and Resource Management Plan, etc.). The most significant of these changes was the revision of the Forest Plan in 2009, which includes a desired condition for livestock grazing of, "*People and communities benefit from programs and infrastructure that support livestock grazing.....*"

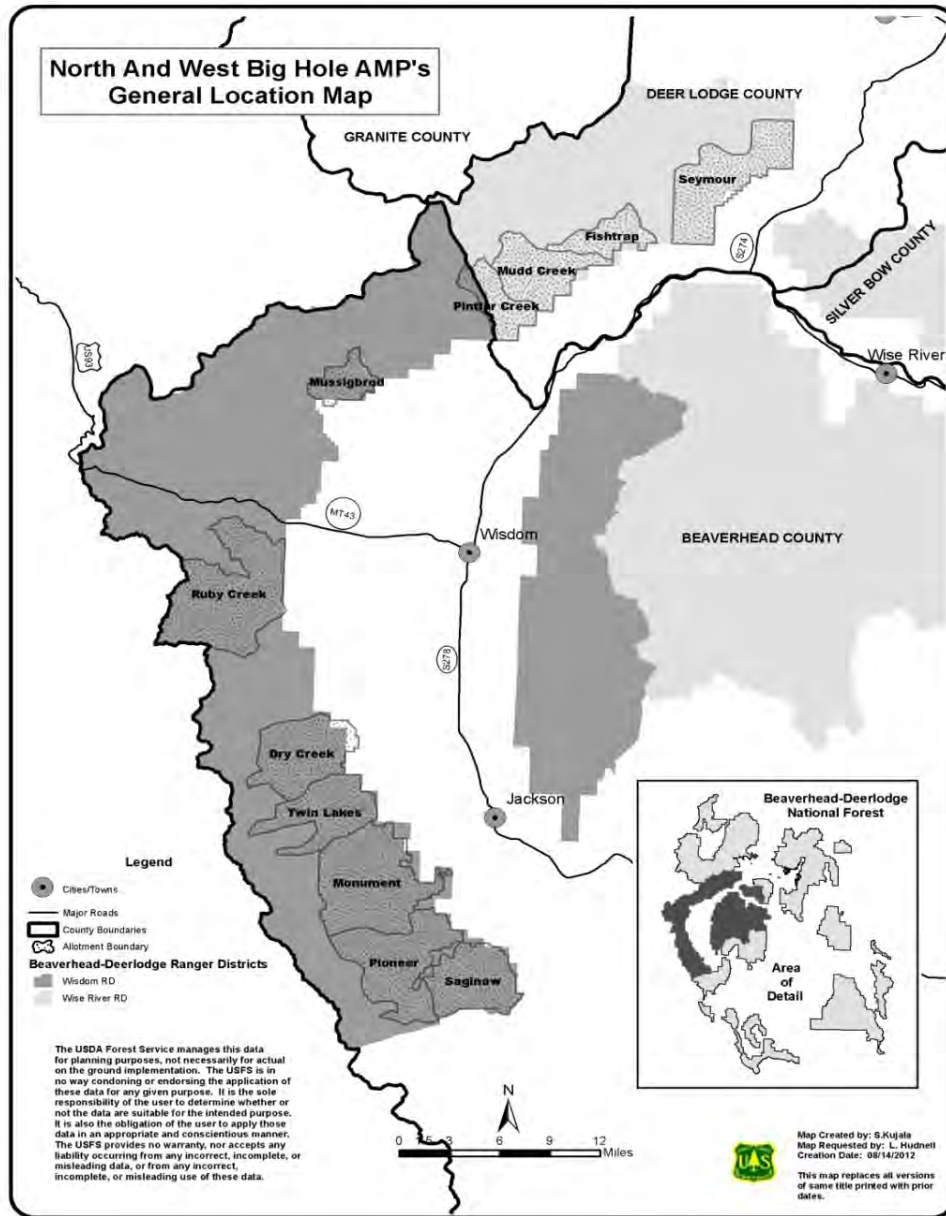
Initially some of the allotments (Pintlar Creek, Mudd Creek, Fishtrap, and Seymour) were listed in the Schedule of Proposed Actions (SOPA) in October of 2002 as part of the North Big Hole AMP Project. The remaining allotments (Dry Creek, Ruby Creek, Mussigbrod, Twin Lakes, Monument, Pioneer, and Saginaw) were listed in the Schedule of Proposed Actions (SOPA) in October as part of the West Big Hole Allotments Project in 2004.

A scoping letter was sent out for the North Big Hole AMP project with comments due by March of 2004. No scoping was sent out for the West Big Hole Allotments project.

In late 2004 these two projects were put on hold because the Forest Plan was being revised. In 2009, the decision was made to combine the previous two projects into one, due in part to the proximity of the allotments, the new Forest Plan, and to help move the forest towards meeting the 1995 Recession Act. The new project was called the North and West Big Hole Allotment Management Plans (NWBH AMP). The NWBH AMP project was initially listed in the Schedule of Proposed Action (SOPA), in January of 2012.

The following map and tables identify the location, land ownership, and acres of the project area.

**Figure 1.** Project Area General Location Map



<b>Table 1: Allotment Locations</b>			
<b>Allotment</b>	<b>Township</b>	<b>Range</b>	<b>Sections</b>
*Seymour	T 2,3 N	R 12,13 W	Sec.8,9,10,17,16,15,23,24,19,20,21,22, 23,24,19,27,26,25,30,29,28,27,26,25,30, 34,35,36,31,32,33,34,35,36,31,32,3,2,1, 6,5,4,3,2,1,6,5,10,11,12,7,8,9,10,11,12, 7,15,14,13,18,16,15,22,23,24
Fishtrap	T 2 N	R 13,14 W	Sec.12,7,14,13,18,17,20,21,22,23,24,19, 20,21,29, 28, 27,26,25
Mudd Creek	T 1,2 N	R 14,15 W	Sec.23,24,19,26,25,30,29,28,27,26,25, 35,36,31,32,33,34, 35,2,1,6,5,4,3,12,7,8,
Pintlar Creek	T 1,2 N	R 14,15 W	Sec.27,26,33,34,35,4,3,2,1,10,11,12,7, 15,14,13,18,23,24,19
Mussigbrod	T 1 N, T 1 S	R 16,17 W	Sec.28,32,33,34,1,6,5,4,3,12,7,8,9,10,18
Ruby Creek	T 2,3,4 S	R 17,18 W	Sec.19,20,25,30,29,28,27,36,31,32,33, 34,3,2,1,6,5,4,3,10,11,12,7,8,9,10,15,14, 13,18,17,16,15,22,23,24,19,20,21,22,23, 28,27,26,25,30,29,28,27,33,34,35,36,31, 32,33,4,3,2,1,6,5,4
Dry Creek	T 4,5 S	R 16,17 W	Sec.27,26,25,30,29,28,33,34,35,36,31, 32,33,4,3,2,1,6,5,4,9,10,11,12,7,8,,16, 15,14,13,18,22,23,24
Twin Lakes	T 5,6 S	R 16,17 W	Sec.13,18,17,16,23,24,19,20,21,22,27, 26,25,30,29,28,27,33,34,35,36,31,32,33, 34,2,1,6,5,10,11,12,7
Monument	T 6,7 S	R 15,16 W	Sec.33,34,35,6,5,4,3,2,1,7,8,9,10,11,12, 18,17,16,15,14,13,17,19,20,21,22,23,24, 19,20,30,29,28,27,26,25,31,32,33,34,35, 36,6,5,4,3,2,1
Pioneer	T 6,7,8 S	R 15,16 W	Sec.25,30,36,31,32,6,5,4,3,2,1,6,5,4,7,8, 9,10,11,12,7,8,9,17,16,15,14,13,16,21,2 2,23,24,19,28,27,26,25,30,34,35,36,31,3 2,1
Saginaw	T 7 S	R 14,15 W	Sec.4,3,2,8,9,10,11,12,17,16,15,14,13, 19,20,21,22,23,24,29,28,27,26,25,30,32, 33,34,35,36

\*In October of 2013, the Nature Conservancy donated approximately 40 acres of private land adjacent to the Sullivan pasture in the Seymour allotment to the United States Forest Service. Of the 40 acres, only about 15 acres or .38 percent of the area is rangeland. Because of the small acreage, it is not reflected in the tables below. The boundary of the Seymour allotment has not been modified at this time to reflect this change

**Table 2:** Ownership by Allotment and Pasture

Allotment	Pasture Name	Ownership Acres	Allotment Ownership Totals
Seymour	Seymour	FS – 8,005	<b>FS - 17,772</b> <b>BLM - 717</b> <b>State (FWP) – 11,659</b> <b>Private – 396</b> <b>State (Montana) - 38</b> <b>Allotment – 30,582</b>
		BLM - 240	
		Private - 349	
		<b>Total acres - 8,594</b>	
	Sullivan	FS - 5,449	
		State (FWP) - 14	
		Private - 23	
		<b>Total acres - 5,486</b>	
	Tenmile	FS - 3,893	
		<b>Total acres – 3,893</b>	
	Seymour Creek	FS – 8	
		BLM –139	
		State (FWP) – 1,570	
		Private – 2	
		<b>Total acres – 1,719</b>	
	Sullivan Creek	FS – 5	
		BLM – 9	
		State (FWP) – 2108	
		Private – 22	
		<b>Total acres – 2,144</b>	
	Tenmile Creek	FS – 245	
		BLM – 120	
		State (FWP) -2795	
		<b>Total acres – 3,160</b>	
	Salt Ridge	BLM -12	
		State (FWP) – 1407	
		<b>Total acres – 1,419</b>	
	Mule Ranch	BLM – 82	
		State (FWP) – 1845	
		<b>Total acres – 1,927</b>	
	Moose Creek	FS – 167	
		BLM – 115	
		State (FWP) – 1920	
		State (Montana) – 38	
		<b>Total acres – 2,240</b>	
Fishtrap	East Fork	FS - 3,382	<b>FS - 6,389</b> <b>BLM - 0</b> <b>State (FWP) - 0</b> <b>Private – 0</b> <b>State (Montana) – 0</b> <b>Allotment – 6,389</b>
		<b>Total acres - 3,382</b>	
	West Fork	FS - 3,007	
		<b>Total acres - 3,007</b>	

<b>Table 2: Ownership by Allotment and Pasture</b>			
<b>Allotment</b>	<b>Pasture Name</b>	<b>Ownership Acres</b>	<b>Allotment Ownership Totals</b>
Mudd Creek	Mudd Creek	FS - 11,465	<b>FS - 11,465</b> <b>BLM - 0</b> <b>State (FWP) - 0</b> <b>Private - 154</b> <b>State (Montana) - 0</b> <b>Allotment - 11,619</b>
		Private - 154	
		<b>Total acres - 11,619</b>	
Pintlar Creek	Pintlar Creek	FS - 7,452	<b>FS - 7,452</b> <b>BLM - 0</b> <b>State (FWP) - 0</b> <b>Private - 0</b> <b>State (Montana) - 0</b> <b>Allotment - 7,452</b>
		<b>Total acres - 7,452</b>	
Mussigbrod	Bender	FS - 1,453	<b>FS - 5,037</b> <b>BLM - 208</b> <b>State (FWP) - 0</b> <b>Private - 0</b> <b>State (Montana) 0</b> <b>Allotment - 5,245</b>
		BLM - 173	
		<b>Total acres - 1,626</b>	
	Mussigbrod	FS - 3,584	
		BLM - 35	
		<b>Total acres - 3,619</b>	
Ruby Creek	Butler	FS - 3,926	<b>FS - 25,355</b> <b>BLM - 42</b> <b>State (FWP) - 0</b> <b>Private - 1,476</b> <b>State (Montane) - 0</b> <b>Allotment - 26,873</b>
		<b>Total acres - 3,926</b>	
	Cow Creek	FS - 9,652	
		Private - 1,052	
		<b>Total acres - 10,704</b>	
	Lower Ruby	FS - 11,777	
		BLM - 42	
		Private - 424	
		<b>Total acres - 12,243</b>	
Dry Creek	Lower Dry Creek	FS - 2,747	<b>FS - 13,991</b> <b>BLM - 1,012</b> <b>State (FWP) - 0</b> <b>Private - 27</b> <b>State (Montana) - 0</b> <b>Allotment - 15,030</b>
		BLM - 1,012	
		Private - 27	
		<b>Total acres - 3,786</b>	
	Upper Dry Creek	FS - 11,244	
		<b>Total acres - 11,244</b>	
Twin Lakes	Lower Big Lake	FS - 2,924	<b>FS - 12,701</b> <b>BLM - 0</b> <b>State (FWP) - 0</b> <b>Private - 15</b> <b>State (Montana) - 0</b> <b>Allotment - 12,716</b>
		<b>Total acres - 2,924</b>	
	Lower Little Lake	FS - 3,432	
		Private - 15	
		<b>Total acres - 3,447</b>	
	Upper Big Lake	FS - 4,565	
		<b>Total acres - 4,565</b>	
	Upper Little Lake	FS - 1,780	
		<b>Total acres - 1,780</b>	

**Table 2:** Ownership by Allotment and Pasture

Allotment	Pasture Name	Ownership Acres	Allotment Ownership Totals
Monument	Hamby Creek	FS - 14,043	<b>FS - 23,217</b> <b>BLM - 122</b> <b>State (FWP) - 0</b> <b>Private - 4</b> <b>State (Montana) - 0</b> <b>Allotment - 23,343</b>
		Private - 4	
		<b>Total acres - 14,047</b>	
	Miner Creek	FS - 8,967	
		BLM - 122	
		<b>Total acres - 9,089</b>	
	Not a Pasture Special Use Area	FS - 207	
		<b>Total acres - 207</b>	
Pioneer	Pioneer	FS - 9,855	<b>FS - 18,424</b> <b>BLM - 0</b> <b>State (FWP) - 0</b> <b>Private - 226</b> <b>State (Montana) - 0</b> <b>Allotment - 18,650</b>
		Private - 214	
		<b>Total acres - 10,069</b>	
	Skinner Meadows	FS - 5,264	
		<b>Total acres - 5,264</b>	
	Van Houten	FS - 3,305	
		Private - 12	
		<b>Total acres - 3,317</b>	
Saginaw	Pasture 1	FS - 1,573	<b>FS - 12, 508</b> <b>BLM - 0</b> <b>State (FWP) - 0</b> <b>Private - 95</b> <b>State (Montana) - 0</b> <b>Allotment - 12,603</b>
		Private - 76	
		<b>Total acres - 1,649</b>	
	Pasture 2	FS - 3,908	
		Private - 19	
		<b>Total acres - 3,927</b>	
	Pasture 3	FS - 3,585	
		<b>Total acres - 3,585</b>	
	Pasture 4	FS - 3,442	
		<b>Total Acres - 3,442</b>	

<b>Table 3: Acres by Allotment by Ownership</b>						
<b>Allotment</b>	<b>FS</b>	<b>BLM</b>	<b>State (FWP)</b>	<b>Private</b>	<b>State (Montana)</b>	<b>Total Acres by Allotment</b>
Seymour	17,772	717	11,659	396	38	<b>30,582</b>
Fishtrap	6,389	0	0	0	0	<b>6,389</b>
Mudd Creek	11,465	0	0	154	0	<b>11,619</b>
Pintlar Creek	7,452	0	0	0	0	<b>7,452</b>
Mussigbrod	5,037	208	0	0	0	<b>5,245</b>
Ruby Creek	25,355	42	0	1,476	0	<b>26,873</b>
Dry Creek	13,991	1,012	0	27	0	<b>15,030</b>
Twin Lakes	12,701	0	0	15	0	<b>12,716</b>
Monument	23,217	122	0	4	0	<b>23,343</b>
Pioneer	18,424	0	0	226	0	<b>18,650</b>
Saginaw	12,508	0	0	95	0	<b>12,603</b>
<b>Total acres by Ownership</b>	<b>154,311</b>	<b>2,101</b>	<b>11,659</b>	<b>2,393</b>	<b>38</b>	
<b>Total Project Area Acres</b>	<b>170, 502</b>					

<b>Table 4: Percent Acres by Allotment by Ownership</b>					
<b>Allotment</b>	<b>% FS</b>	<b>% BLM</b>	<b>% State (FWP)</b>	<b>% Private</b>	<b>% State (Montana)</b>
Seymour	58.11	2.34	38.12	1.29	0.12
Fishtrap	100.00	0.00	0.00	0.00	0.00
Mudd Creek	98.67	0.00	0.00	1.33	0.00
Pintlar Creek	100.00	0.00	0.00	0.00	0.00
Mussigbrod	96.03	3.97	0.00	0.00	0.00
Ruby Creek	94.35	0.16	0.00	5.49	0.00
Dry Creek	93.09	6.73	0.00	0.18	0.00
Twin Lakes	99.88	0.00	0.00	0.12	0.00
Monument	99.46	0.52	0.00	0.02	0.00
Pioneer	98.79	0.00	0.00	1.21	0.00
Saginaw	99.25	0.00	0.00	0.75	0.00

<b>Table 5: Percent of Total Project Acres by Ownership</b>				
<b>% FS</b>	<b>% BLM</b>	<b>% State (FWP)</b>	<b>% Private</b>	<b>% State (Montana)</b>
90.50	1.23	6.84	1.40	0.02

## **Forest Plan Direction**

The 2009 Beaverhead-Deerlodge National Forest Land and Resource Management Plan, hereafter known as the “Forest Plan”, provide management direction for this project (USDA Forest Service 2009a). Specifically, Chapter 3 provides the Forest Wide desired condition for Livestock grazing (pg. 11), and the Goals and Standards for Livestock Grazing (pgs. 25-27). Chapter 4 of the Forest Plan provides the general description and activities for the Landscapes (Big Hole pg. 65 and Lima-Tendoy pg. 181), and the management focus, objectives, and any additional standards for the applicable Management Areas (Big Hole pgs. 66-88, and Lima-Tendoy pgs. 182-196). Where appropriate this project will tier to the analyses contained in the Corrected Final Environmental Impact Statement (CFEIS) for the Forest Plan (USDA Forest Service 2009).

<b>Table 6: Applicable Forest Plan and Other Designations Summary by Allotment</b>												
<b>Allotment</b>	<b>Landscape</b>	<b>Management Area</b>	<b>6th Code HUC</b>	<b>Fish Key Watershed</b>	<b>Restoration Key Watershed</b>	<b>Wilderness</b>	<b>Recommended Wilderness</b>	<b>Wilderness Study Area</b>	<b>Research Natural Areas</b>	<b>Wild and Scenic Rivers</b>	<b>IRA</b>	<b>Elk/Deer Hunting Units</b>
Seymour	Big Hole	Fishtrap-Mount Haggin	Deep Creek, LaMarche Creek, Seymour Creek	Yes	Yes	No	No	No	No	No	Yes	319
Fishtrap	Big Hole	Fishtrap-Mount Haggin	Fishtrap Creek	No	No	No	No	No	No	No	Yes	319
Mudd Creek	Big Hole	Fishtrap-Mount Haggin, APW	BHR-F, BHR-SC, Mudd Creek	No	No	Anaconda-Pintler	No	No	No	No	Yes	319
Pintlar Creek	Big Hole	APRWA, APW, Pintlar Face, Fishtrap-Mount Haggin	Pintlar Creek	No	No	Anaconda-Pintlar	No	No	No	No	Yes	319, 321
Mussigbrod	Big Hole	APRWA, Pintlar Face, Tie-Johnson	Johnson Creek, Mussigbrod Creek	Yes	No	No	Anaconda-Pintler Addition Hellroaring	No	No	No	Yes	321
Ruby Creek	Big Hole	Anderson Mountain, Ruby, West Bighole	Ruby Creek, West Fork Ruby Creek	No	Yes	No	No	No	No	No	Yes	321
Dry Creek	Big Hole	West Big Hole Flats, West Bighole	BHR-BSC, Big Lake Creek, Upper Rock Creek	No	No	No	No	No	No	No	Yes	321
Twin Lakes	Big Hole	West Big Hole Flats, West Bighole	Big Swamp Creek, BHR-BSC, Little Lake Creek	No	No	No	No	No	No	No	Yes	321
Monument	Big Hole	West Big Hole Flats, West Bighole	BHR-SpC, Englehard Creek, Little Lake Creek, Miner Creek	No	No	No	No	No	No	No	Yes	321
Pioneer	Big Hole	West Big Hole Flats, West Bighole, Selway-Saginaw	Berry Creek, BHR-SaC, BHR-SpC, HBHR	No	Yes	No	No	No	No	No	Yes	321, 329

<b>Table 6: Applicable Forest Plan and Other Designations Summary by Allotment</b>												
<b>Allotment</b>	<b>Landscape</b>	<b>Management Area</b>	<b>6th Code HUC</b>	<b>Fish Key Watershed</b>	<b>Restoration Key Watershed</b>	<b>Wilderness</b>	<b>Recommended Wilderness</b>	<b>Wilderness Study Area</b>	<b>Research Natural Areas</b>	<b>Wild and Scenic Rivers</b>	<b>IRA</b>	<b>Elk/Deer Hunting Units</b>
Saginaw	Big Hole and Lima-Tendoy	West Big Hole Flats, Selway-Saginaw	BHR-SaC, HBHR, Upper Governor Creek	No	Yes	No	No	No	No	No	Yes	329

## Purpose and Need for Action

The purpose of this initiative is to:

- Update grazing management and infrastructure on eleven domestic livestock grazing allotments (Seymour, Fishtrap, Mudd Creek, Pintlar Creek, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes, Monument, Pioneer, and Saginaw) to comply with the applicable 2009 Beaverhead-Deerlodge Land and Resource Management Plan (Forest Plan) direction.

This action is needed, because there is new direction in the Forest Plan for livestock grazing, site-specific suitability, and site specific Allowable Use Levels (AUL's) are needed. This action responds to the goals and objectives outlined in the Beaverhead-Deerlodge Forest Plan, and helps move the project area towards desired conditions described in that plan (pg. 11). This project also helps to move the forest towards meeting the Goal's for Livestock Grazing outlined in the 2009 Forest Plan (Ch. 3, pg. 25) of:

- Providing sustainable grazing opportunities for domestic livestock from lands suitable for forage production. This is partially accomplished by the suitability analysis disclosed in the Range section of the DEIS (pgs. 212 – 355).
- Maintaining or enhancing the desired structure and diversity of plant communities on grasslands, shrub lands, and Forests with the use of forage by domestic livestock. Use will be managed to maintain or restore riparian function as defined in the allotment management plan. This is accomplished partially with the implementation of the site specific Allowable Use Levels (AUL's), changes in Season of Use (SOU), rest and avoidance periods, and the mitigation/design features being proposed.

As identified in the December 2012 Seymour, Sullivan, and Deep Creeks Watershed Assessment on pages 175-179, 198, there are two recommendations that apply specifically to the Seymour Allotment. The first recommendation, the reconstruction of approximately 4 miles of the Tenmile pasture boundary fence between the Forest and Mount Haggin Wildlife Management Area, was completed in 2010 under a separate NEPA authorization.

This project will move towards fulfilling the one remaining recommendation of:

- Continue Cooperative Livestock Grazing Management Agreement between the Forest Service and Montana Department of Fish, Wildlife & Parks.

Although this DEIS does not analyze the specific Allotment Management Plans (AMP's), it does provide the side boards and information for the development of the AMP's for each of the allotments within in this analysis based on the selected alternative(s). The selected alternative(s) will be identified in the Record of Decision (ROD) that will accompany the Final Environmental Impact Statement (FEIS) for this project. The individual AMP's will be the documents that implement the selected alternative (s) identified in the ROD.

## Proposed Action

The actions proposed by the Forest Service to meet the Purpose and Need is to issue new term grazing permits, for up to 10 years, authorizing grazing of domestic livestock on the eleven allotments. Under this alternative, livestock grazing would be permitted under grazing management systems designed to comply with the Forest Plan. The Forest Service would continue as the Lead Agency per the 2012 Agreement for Coordination Management of Rangeland (ACMR) Agreement with the Bureau of Land Management (BLM). The 2011 Cooperative Livestock Grazing Management Agreement (CLGMA) with Montana Fish, Wildlife, and Parks (FWP) for the Mount Haggin area would also apply. Table 8 below summarizes the changes for each allotment. See Chapter II for a detailed discussion of each alternative.

<b>Table 7: Summary of Changes by Allotment</b>	
<b>Item of Comparison</b>	<b>Proposed Action Alternative</b>
<i>Number of Permittee's</i>	No changes for any allotments.
<i>Number of Pastures Allocated</i>	Changes for Seymour allotment.
<i>Co-Managed/ partners</i>	No changes for any allotments.
<i>Head Month Numbers</i>	Changes for Seymour, Fishtrap, Mussigbrod, Dry Creek, Twin Lakes, Pioneer, and Saginaw allotments.
<i>Livestock Number (Cow/Calf pairs)</i>	Changes for Seymour, Pintlar Creek, Mussigbrod, Dry Creek, Twin Lakes, and Saginaw allotments.
<i>Season of Use (SOU)</i>	Changes for Seymour, Fishtrap, Pintlar, Ruby Creek, Dry Creek, Twin Lakes, Pioneer, and Saginaw allotments.
<i>Grazing System</i>	Changes for Seymour, Pintlar Creek, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes allotments.
<i>Allowable Use Levels (AUL)</i>	Changes for all allotments.
<i>Avoidance Period</i>	No changes for any allotments.
<i>Miles of Fencing</i>	Changes for Mussigbrod allotment.
<i>Number of dead trees cut for fencing</i>	No changes for any allotments.
<i>Miles of Piping</i>	Changes for Mudd Creek and Mussigbrod allotments.
<i>Number of Springs</i>	Changes for Mudd Creek and Mussigbrod allotments.
<i>Number of Water Tanks</i>	Changes for Mudd Creek and Mussigbrod allotments.
<i>Number of Exclosure's</i>	Changes for Seymour, Pintlar Creek, and Mussigbrod allotments.
<i>Hardened Crossings</i>	Changes for Ruby Creek allotment.
<i>Monitoring</i>	Changes for Seymour allotment.

## Decision Framework

The District Ranger is the responsible official who will decide, given the purpose and need, review of all the alternatives, the environmental consequences, and the public's comments, if:

- *The Preferred Alternative meets the Purpose and Need with the fewest affects to the resources or will the Purpose and Need be better met with fewer affects to the resource with one of the other alternatives or a combination of the alternatives.*

This Draft Environmental Impact Statement (DEIS) does not make a decision. It discloses the environmental consequences of implementing one or a combination of the alternatives. The decision will be disclosed in the Record of Decision (ROD).

## Public Involvement

The Notice of Intent (NOI) was published in the Federal Register on Friday August 17, 2012. The NOI asked for public comment on the proposal by September 17<sup>th</sup>, 2012.

The Forest received comments from five individuals and five groups and/or other government agencies.

Using the comments from the public, other agencies, and tribes, the interdisciplinary team developed a list of issues (see *Issues* section below) that needed to be addressed.

## Issues

The Forest separated the comments into five categories: Actions, Alternatives, Analysis, Scope of the Project, and Statement-no-cause-effect. Comments listed as statements no cause-effect (i.e. ungulate wildlife has been devastated by the wolves, all these cattle should be thrown off national lands, I have no significant issue with the current scope outlined, etc.) did not contain concerns that were specific.

The remaining four categories contained comments that shared concerns in one of the following areas, which lead to the development of Alternative 4:

*Livestock management in riparian areas-* The concerns focused on the damage that livestock can do to water quality and soil stability in riparian areas. Under the Proposed Action and Alternative 4, the site specific Allowable Use levels (AUL's) ( designed in part based on Properly Functioning Condition (PFC) of the stream), the avoidance periods, exclosure's, proposed periods of rest, and monitoring will all help to minimize the impacts to riparian areas.

*Maintaining and/or improving Westslope Cutthroat Trout (WCT) and Western Toad populations and habitat –* The concerns focused on the changes in the habitat for these two aquatic species and the impacts that may have to the populations. Under the Proposed Action and Alternative 4, the site specific Allowable Use levels (AUL's), the avoidance periods, exclosure's, proposed periods of rest, monitoring, and the Allotment Specific Design/Mitigation Measures will all help to minimize the impacts to the aquatic habitat and minimize impacts to the population.

*Stream bank stability –* The concerns focused on the effects of livestock grazing on the stability of the stream banks. Under the Proposed Action and Alternative 4, the site specific Allowable Use levels (AUL's) (Stream Bank Disturbance is one of the parameters measured to determine if the livestock need to come off), the avoidance periods, exclosure's (specifically located to keep

livestock off stream banks that need rehabilitation), proposed periods of rest (up to 10 years to help in restoration), and the Allotment Specific Design/Mitigation Measures (specifically designed to help move the recovery of stream banks) will all help to minimize the impacts to the stream banks.

A list of all the comments received during scoping and how they were addressed can be found in Appendix C of the DEIS.

## CHAPTER II - ALTERNATIVES

This chapter describes and compares the alternatives considered for the North and West Big Hole Allotment Management Plans project. This chapter defines the differences between each alternative and provides a clear basis for choice among the alternatives for the decision maker and the public.

### Issues

During the scoping process several concerns brought forward by the public and internally lead to the development of Alternative 4. The following is a list of the concerns:

- *Livestock management in riparian areas.*
- *Maintaining and/or improving Westslope Cutthroat Trout (WCT) and Western Toad populations and habitat.*
- *Stream bank stability.*

### Alternatives Considered But Eliminated From Detailed Study

Federal agencies are required by NEPA to rigorously explore and objectively evaluate all reasonable alternatives and to briefly discuss the reasons for eliminating any alternative(s) that were not developed in detail (40 CFR 1502.14). Public comments received in response to the Proposed Action provided suggestions for alternative methods for achieving the Purpose and Need. Some of these alternatives may have been outside the scope of updating grazing management and infrastructure to comply with the Forest Plan direction, duplicative of the alternatives considered in detail, or determined to be components that would cause unnecessary environmental harm. Therefore, a number of alternatives were considered, but dismissed from detailed consideration for reasons summarized in table nine below.

<b>Table 8: Alternatives Considered but Eliminated from Detailed Study</b>	
<b>Alternative Considered</b>	<b>Reason for Eliminating from Detailed Study</b>
Reduce the authorized number of head to zero.	Under the No Action Alternative, the number of authorized domestic livestock allowed to graze on National Forest lands would be zero. Thus this proposed alternative would be a duplicate of an alternative that will be analyzed in detail.
Restoration of degraded environments that include protection, restoration, and enhancement of water quality, aquatic habitat and hydrologic function.	Under the Proposed Action Alternative and Alternative 4, the site specific AUL's, the changes in the head months, grazing rotation, exclosure's, resting of pastures for 10 years, hardened crossings, and monitoring will provided protection, opportunity for restoration, enhancement of water quality, aquatic habitat, and hydrologic function. Thus this proposed alternative would be a duplicate of an alternative that

**Table 8:** Alternatives Considered but Eliminated from Detailed Study

Alternative Considered	Reason for Eliminating from Detailed Study
	will be analyzed in detail.
Include watershed/ecosystem restoration or restoration elements in the reasonable alternative.	Under the Proposed Action Alternative and Alternative 4, the site specific AUL's, the changes in the head months, grazing rotation, exclosure's, resting of pastures for 10 years, hardened crossings, and the design/mitigation features opportunity for restoration of the watershed and ecosystem will occur. Thus this proposed alternative would be a duplicate of two other alternatives that will be analyzed in detail.
Grazing management actions taken now and in the future that will meet the objectives of management.	Although there are no specific objectives for Livestock Grazing in the Forest Plan, the actions in the Proposed Action and Alternative 4 such as the specific cultural resource mitigation/design features, avoidance periods, and Bull Trout exclosure will help move the forest towards meeting the meet the management objectives for the Ruby Management Area to <i>"Protect and interpret sites around the Pioneer town site"</i> (FP pg. 77), to <i>Reduce impacts from grazing practices in known or suspected threatened, endangered or sensitive fish spawning areas to avoid or reduce trampling of redds that may result in adverse impacts to threatened or endangered species, loss of viability, or a trend toward federal listing of sensitive species (GM 4)</i> (FP pg. 16), and to <i>Prioritize bull trout restoration activities with consideration given to bull trout core areas population status and Health. Coordination will occur with USFWS, other federal agencies, state, and local agencies</i> (FP pg. 18). Thus this proposed alternative would be a duplicate of two other alternatives that will be analyzed in detail.
Include alternatives that have current management, domestic grazing is completely removed, various grazing strategies, rotations, animal unit months, and livestock distribution strategies are used; various infrastructure improvements and practices such as standards for forage utilization, stubble height, etc. be included.	There is a Current Management, No Action alternative the covers the existing management and the removal of all domestic livestock grazing. The site specific Allowable Use Levels (AUL's) provide standards for forage, stubble height and other resource items. The Proposed Action and Alternative 4, both provide for changes in grazing strategies, rotation, livestock numbers, and infrastructure. Thus this proposed alternative would be a duplicate of the alternatives that will be analyzed in detail.

## Comparison of Alternatives

Table ten below summarizes the specific grazing management item(s) that are proposed for change by alternative by allotment. An item was considered changed if there was a change proposed from what is authorized on the grazing permit or there was a proposed change from the current management.

<b>Table 9: Summary of Changes by Allotment</b>				
<b>Item of Comparison</b>	<b>No Action Alternative</b>	<b>Current Management Alternative</b>	<b>Proposed Action Alternative</b>	<b>Alternative 4</b>
<i>Number of Permittee's</i>	Changes for all allotments.	No changes for any allotments.	No changes for any allotments.	No changes for any allotments.
<i>Number of Pastures Allocated</i>	Changes for all allotments.	No changes for any allotments	Changes for Seymour allotment.	Changes for Seymour, Pintlar Creek, and Mussigbrod allotments.
<i>Co-Managed/ partners</i>	Changes for Seymour, Mussigbrod, and Dry Creek allotments.	No changes for any allotments.	No changes for any allotments.	No changes for any allotments.
<i>Head Month Numbers</i>	Changes for all allotments.	No changes for any allotments.	Changes for Seymour, Fishtrap, Mussigbrod, Dry Creek, Twin Lakes, Pioneer, and Saginaw allotments.	Changes for Seymour, Fishtrap, Pintlar Creek, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes, Pioneer, and Saginaw allotments.
<i>Livestock Number (Cow/Calf pairs)</i>	Changes for all allotments.	No changes for any allotments	Changes for Seymour, Pintlar Creek, Mussigbrod, Dry Creek, Twin Lakes, and Saginaw allotments.	Changes for Seymour, Pintlar Creek, Mussigbrod, Dry Creek, Twin Lakes, and Saginaw allotments.
<i>Season of Use (SOU)</i>	Changes for all allotments.	No changes for any allotments.	Changes for Seymour, Fishtrap, Pintlar, Ruby Creek, Dry Creek, Twin Lakes, Pioneer, and Saginaw allotments.	Changes for Seymour, Fishtrap, Pintlar, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes, Pioneer, and Saginaw allotments.

**Table 9:** Summary of Changes by Allotment

<b>Item of Comparison</b>	<b>No Action Alternative</b>	<b>Current Management Alternative</b>	<b>Proposed Action Alternative</b>	<b>Alternative 4</b>
<i>Grazing System</i>	Changes for all allotments.	No changes for any allotments	Changes for Seymour, Pintlar Creek, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes allotments.	Changes for Seymour, Fishtrap, Mudd Creek, Pintlar Creek, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes, Monument, and Pioneer allotments.
<i>Allowable Use Levels (AUL)</i>	Changes for all allotments.	No changes for any allotments	Changes for all allotments.	Changes for all allotments.
<i>Avoidance Period</i>	Changes for all allotments.	No changes for any allotments.	No changes for any allotments.	Changes for Saginaw allotment.
<i>Miles of Fencing</i>	No changes for any allotments.	No changes for any allotments.	Changes for Mussigbrod allotment.	Changes for Mudd Creek, Pintlar Creek, Mussigbrod, and Ruby Creek allotments.
<i>Number of dead trees cut for fencing</i>	No changes for any allotments.	No changes for any allotments.	No changes for any allotments.	Changes for Pintlar Creek and Mussigbrod allotments.
<i>Miles of Piping</i>	No changes for any allotments.	No changes for any allotments.	Changes for Mudd Creek and Mussigbrod allotments.	Changes for Mudd Creek and Mussigbrod allotments.
<i>Number of Springs</i>	No changes for any allotments.	No changes for any allotments.	Changes for Mudd Creek and Mussigbrod allotments.	Changes for Mudd Creek and Mussigbrod allotments.
<i>Number of Water Tanks</i>	No changes for any allotments.	No changes for any allotments.	Changes for Mudd Creek and Mussigbrod allotments.	Changes for Mudd Creek and Mussigbrod allotments.
<i>*Number of Exclosure's</i>	Changes for Mudd Creek, Pintlar Creek, Mussigbrod, and Ruby Creek allotments.	No changes for any allotments.	Changes for Seymour, Pintlar Creek, and Mussigbrod allotments.	Changes for Seymour, Pintlar Creek, and Mussigbrod allotments.
<i>Hardened Crossings</i>	No changes for any allotments.	No changes for any allotments.	Changes for Ruby Creek allotment.	Changes for Ruby Creek allotment.

<b>Table 9: Summary of Changes by Allotment</b>				
<b>Item of Comparison</b>	<b>No Action Alternative</b>	<b>Current Management Alternative</b>	<b>Proposed Action Alternative</b>	<b>Alternative 4</b>
<i>Monitoring</i>	Changes for all allotments for all resources except heritage.	No changes for any allotments.	Changes for Seymour and Ruby Creek allotment.	Changes for Seymour, Ruby Creek, and Mudd Creek allotments.

- If an item of comparison did not exist on the allotment, i.e. hardened crossings, then there would be no change under the No Action Alternative.

\* - Under the No Action alternative any temporary exclosure's currently in place would be removed and not be reinstalled.

Below are detailed descriptions of each alternative, including design features and mitigation measures. All design features and mitigation measures under that alternative would become part of the grazing permits.

### ***No Action Alternative***

The "No Action/No Grazing" alternative is required by regulation found in the National Environmental Policy Act (NEPA) at 40 CFR 1502.14(d) and by Forest Service Handbook (FSH) 2209.13 Chapter 90.

Under this alternative term grazing permits for domestic livestock to graze on National Forest System (NFS) lands on the eleven allotments (Seymour, Fishtrap, Mudd Creek, Pintlar Creek, Mussigbrod, Ruby Creek, Dry Creek, Twin Lakes, Monument, Pioneer, and Saginaw), would be discontinued with a minimum of two years notice (36 CFR 222.4(a) (1)) to the permittee's. No new term grazing permits for domestic livestock would be issued. Existing agreements with BLM and FWP would be terminated, as disclosed in those agreements.

### **No Action Alternative Design Features/Mitigation Measures**

The following **Design Features/Mitigation Measures** are applicable to all the allotments under this alternative:

1. As provided in FSH 2209.13-2009-1, Section 16.6, all term grazing permits would be terminated two years after notification to the permit holder(s) following the signing of the Record of Decision (ROD).
2. No domestic livestock grazing would be authorized after the termination date unless a new environmental analysis is completed and determines that domestic livestock grazing could be authorized on all or some portion of the area.
3. Private and/or other non-Forest Service lands included in these allotments could continue to be grazed at the landowner's discretion. However, the landowner would be required to keep the livestock off NFS lands.

4. All existing rangeland infrastructure including camp ground enclosure's on NFS lands would remain in place and maintained at a level that serves their intended purposes (i.e. the pipelines that service the tanks would be cleaned as needed to maintain water to the tank, existing wildlife escape ramps, etc.), except for temporary enclosure's. Those temporary enclosure's currently in place would be removed and not reinstalled.
5. Periodic spot-check monitoring of the infrastructure, specifically fences, at least once every five to 10 years, would be implemented to determine whether removal or maintenance is needed. Removal would be authorized by a separate administrative decision.
6. Improvements such as stock tanks, spring developments, and other water features needed by wildlife would not be removed. The Forest Service or other appropriate parties would assume maintenance responsibilities.
7. On those allotments with shared management between the Forest Service and other federal or state agencies, the Forest will follow the guidelines set out in existing agreements for the maintenance of fencing and other infrastructure.

See the allotment specific actions in Tables 17 to 28 below.

### ***Current Grazing Management Alternative***

The "Current Grazing Management" alternative would issue new term grazing permits, for up to 10 years, with the current grazing management, infrastructure, and numbers identified on the existing term grazing permits for each of the eleven allotments. The permitted head months (HMs) and seasons of use (SOU) would not change. No grazing management practices other than what is currently in effect are proposed. No new infrastructure would be implemented and annual compliance and long-term rangeland monitoring would continue. The Forest Service would continue as the Lead Agency per the 2012 Agreement for Coordination Management of Rangeland (ACMR) with the Bureau of Land Management (BLM). The 2011 Cooperative Livestock Grazing Management Agreement (CLGMA) with Montana Fish, Wildlife, and Parks (FWP) for the Mount Haggin area would apply. The Interim Livestock Grazing Standards and Allowable Use Levels (AUL's) (Forest Plan Ch. 3, pg. 26) would apply, except for the following six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) in the Seymour allotment. These six pastures will follow the rotation outlined in the 2011 CLGMA.

**Table 10:** Interim Livestock Grazing Standards

Category	Season Long or Continuous	Deferred or Rest Rotation	Area	Key Species (others may be used for specific allotments)
Upland range utilization	≤ 40% of forage utilized on suitable range on 85% of the area. ≤ 50% utilization on the remaining 15%.	≤ 55% of forage utilized on suitable range on 85% of the area. ≤ 65% utilization on remaining 15%.	Suitable range.	Idaho fescue Blue bunch wheatgrass Rough Fescue
Streambank Disturbance	≤ 25% streambank disturbance measured by reach.	≤ 30% streambank disturbance measured by reach.	85% of riparian habitat, by stream reach, within suitable range for each pasture. 5% of riparian habitat could exceed standards on a repeat basis (crossings).	n/a
Riparian Stubble Height	Green Line ≥ 6" measured by reach, flood plain ≥ 4" measured by reach.	Green Line ≥ 4" measured by reach, flood plain ≥ 3" measured by reach.	85% of riparian habitat, by stream reach, within suitable range for each pasture.	Sedges, rushes Bluejoint reedgrass Tufted hairgrass.

**Table 10:** Interim Livestock Grazing Standards

Category	Season Long or Continuous	Deferred or Rest Rotation	Area	Key Species (others may be used for specific allotments)
Winter Range	Not applicable	≤ 35% of forage utilized on suitable range on 85% of the area. Allow no more than 55% utilization on remaining 15%. Exceptions can be made if a rest pasture is available to provide winter forage.	Pastures in big game winter range as mapped in July 2006.	Idaho fescue Bluebunch - wheatgrass Rough Fescue
Riparian Sites on Streams that Contain Westslope Cutthroat Trout or listed Species.	≤ 20% Streambank disturbance by reach.	≤ 45% of forage utilized on suitable range on 85% of the area. Allow no more than 65% utilization on remaining 15%.	85% of riparian habitat, by stream reach, within suitable range for each pasture. 5% of riparian habitat could exceed standards on a repeat basis (crossings).	Sedges, rushes, Bluejoint reedgrass, Tufted hairgrass.

### Current Management Alternative Design Features/Mitigation Measures

The following **Design Features/Mitigation Measures** are applicable to all the allotments under this alternative with the exception of the six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) in the Seymour allotment. These six pastures will follow the direction outlined in the 2011 CLGMA:

1. The Interim Livestock Grazing Standards will apply on National Forest Service Lands and BLM lands that are co-managed.
2. All existing improvements would continue to be maintained at a level that serves their intended purposes. (i.e. The pipelines that service the tanks would be cleaned as needed to maintain water to the tank, existing wildlife escape ramps will be maintained, etc.).

3. Range Implementation Monitoring would occur annually on National Forest Service Lands and BLM lands that are co-managed. Six of the pastures associated with the Seymour allotment, will follow the monitoring outlined in the 2011 Cooperative Livestock Grazing Management Agreement (CLGMA) with Montana Fish, Wildlife, and Parks (FWP) for the Mount Haggin area.
4. Any surface disturbing activities (i.e., water developments, livestock management facilities, fencing, etc.) associated with the implementation of Grazing Allotment Management Plans are subject to compliance with Section 106 of the National Historic Preservation Act and would require intensive cultural resources inventory (Class III) prior to implementation. The identification and avoidance of cultural resources by project abandonment or redesign would mitigate any direct impacts from project implementation as protection measures and would be added to all appropriate surface disturbing activities.
5. Should cultural resources be identified during the course of project implementation, operations would cease and the South Zone Archaeologist of the Beaverhead-Deerlodge National Forest notified to complete resource documentation and evaluation for eligibility.
6. Sensitive plant population protection measures would be added to all appropriate surface disturbing actions.

See the allotment specific actions in Tables 17 to 28 below.

### ***Proposed Action Alternative***

The “Proposed Action” alternative would issue new term grazing permits, for up to 10 years, authorizing grazing of domestic livestock on the eleven allotments. Under this alternative, livestock grazing would be permitted under grazing management systems designed to comply with the Forest Plan. The Forest Service would continue as the Lead Agency per the 2012 Agreement for Coordination Management of Rangeland (ACMR) Agreement with the Bureau of Land Management (BLM). The 2011 Cooperative Livestock Grazing Management Agreement (CLGMA) with Montana Fish, Wildlife, and Parks (FWP) for the Mount Haggin area would also apply.

Tables twelve and thirteen below, outlines the site specific Allowable Use Levels (AUL's) requirement, identified in the Forest Plan on page 25 of Chapter Three, under standard 1 for Livestock Grazing. These AUL's are applicable to all of the allotments and pastures, except the six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) associated with the Seymour Allotment. Those pastures will follow the requirements in the 2011 Cooperative Livestock Grazing Management Agreement (CLGMA).

**Table 11:** AUL's based on Properly Functioning Condition (PFC)

Riparian Parameter	Properly Functioning Condition or Function at Risk with a static or upward trend	Functioning-at-Risk with a downward trend	Non-Functioning
Forage Utilization	≤ 45% of forage utilized on suitable range on 85% of the area. Allow no more than 65% utilization on remaining 15%.	≤ 40% of forage utilized on suitable range on 85% of the area. Allow no more than 55% utilization on remaining 15%.	≤ 35% of forage utilized on suitable range on 85% of the area. Allow no more than 50% utilization on remaining 15%.
+Stream bank Disturbance	≤ 30%	≤ 25%	20 – 25
+Stubble Height	leave 4" on green line and ≥ 3" in floodplains	leave 4-6" on green line and ≥ 4" in floodplains	leave 4-6" on green line and ≥ 4" in floodplains
Woody Browse Utilization	Move cattle at shift in vegetation preference	Move cattle at shift in vegetation preference	Move cattle at shift in vegetation preference

+AUL applies to 85% of riparian habitat, by stream reach, within suitable range for each pasture. Five percent of riparian habitat could exceed standards on a repeat basis (i.e., livestock stream crossings).

**Table 12:** Upland AUL's based on Interim Grazing Standards in the Forest Plan

Upland Parameters	Deferred or Rest Rotation	Area and Key Species
Upland Range Utilization	≤ 55% of forage utilized on suitable range on 85% of the area. ≤ 65% utilization on remaining 15%.	Suitable range, Idaho fescue bluebunch wheatgrass rough fescue, or other species deemed appropriate for individual allotments
Winter Range	≤ 35% of forage utilized on suitable range on 85% of the area. Allow no more than 55% utilization on remaining 15%. Exceptions can be made if a rest pasture is available to provide winter forage.	Pastures in big game winter range as mapped in July 2006. Idaho fescue, bluebunch wheatgrass, rough fescue or other species deemed appropriate for individual allotments

### Proposed Action Design Features/Mitigation Measures applicable to all allotments

The following **Design Features/Mitigation Measures** are applicable to all allotments and pastures under this alternative except for the six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) in the Seymour allotment:

1. As identified in 36 CFR 222.4, permittee's for all allotment, except the six pastures in Seymour Allotment (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch), will have one year to comply with the proposed modifications.

2. The Allowable Use Levels (AUL's) in Tables twelve and thirteen above were developed based on site specific Range, Hydrology, and Aquatic field and trend data for upland, aquatic, and riparian areas. These AUL's are applicable to all eleven allotments and pastures, with the exception of the six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) in the Seymour allotment, which will follow the rotation outlined in the 2011 CLGMA.
3. All allotments with the exception of the Seymour Allotment will have annual compliance and long term rangeland monitoring. For the Seymour Allotment, three of the pastures (Seymour, Sullivan, and Tenmile) will have the annual compliance and long term rangeland monitoring, and wildlife use monitoring as outlined in the 2011 CLGMA agreement. The remaining six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) will have only the monitoring outlined in the 2011 CLGMA agreement.
4. All existing improvements would continue to be maintained at a level that serves their intended purposes. (i.e. The pipelines that service the tanks would be cleaned as needed to maintain water to the tank, existing wildlife escape ramps will be maintained, fencing etc.).
5. When any one of the Allowable Use Level metrics is reached, livestock would be moved.
6. The permitted on date (date livestock are authorized to enter the allotment) could be adjusted to assure vegetative development is adequate prior to livestock grazing. Actual on or off dates would continue to be adjusted on an annual basis to provide for range readiness or to mitigate prior season grazing effects, current season forage production, weather, or other conditions when necessary.
7. Any surface disturbing activities (i.e. water developments, livestock management facilities, etc.) associated with the implementation of Allotment Management Plans are subject to compliance with Section 106 of the National Historic Preservation Act and would require intensive cultural resources inventory (Class III) prior to implementation. The identification and avoidance of cultural resources by project abandonment or redesign would mitigate any direct impacts from project implementation as protection measures and would be added to all appropriate surface disturbing actions.
8. Should cultural resources be identified during the course of project implementation, operations would cease and the South Zone Archaeologist of the Beaverhead-Deerlodge National Forest notified to complete resource documentation and evaluation for eligibility.
9. All new water developments would be spring developments with head boxes, <300 feet of piping for gravity feed to a water tank with posts and rails around the tank for protection and stabilization, and <.1 mile of fencing around the spring to exclude livestock from the spring source. The design will also include escape ramps and a mechanism, such as a float or shut-off valve to control flow of water in tanks and troughs to reduce potential impacts to sage-grouse and other birds (USDA FS 2012). Existing water tanks with no wildlife escape ramps will be retro-fitted to meet requirements.

10. All new spring water developments in sage grouse habitat would be designed to maintain free water and wet meadows and shall be designed to include escape ramps and a mechanism, such as a float or shut-off valve to control flow of water in tanks and troughs to reduce potential impacts to sage-grouse and other birds (USDA FS 2012).
11. New water developments would use non-reflective and earth-tone color materials in construction and installation. Darker earth-tone fiberglass tanks are recommended. This will reduce color contrast with the surrounding environment.
12. All new fencing would follow recommended fence specifications outlined in the Forest Service GTR 2400-Range 8824 2803 (USFS 1988).
13. All allotments would have Range Implementation Monitoring annually.
14. All new range improvements (fences and water developments) will be designed to avoid or reduce impacts to known sensitive plant populations (i.e. constructing riparian or spring exclosure fences to include plant populations, placement of water troughs 200 feet or greater from known populations, routing water pipe around known populations, etc.).
15. Sensitive plant population protection measures would be added to all appropriate surface disturbing actions.

See the allotment specific actions in Tables 17 to 28 below.

#### ***Alternative 4***

Alternative 4 was developed in response to public and agency comments received during the scoping period. This alternative is similar to the Proposed Action alternative. This alternative differs from the Proposed Action with the inclusion of allotment specific mitigation measures, avoidance periods, removal of cattle for 10 years on some pastures, and additional infrastructure (fencing, water tanks, piping, hardened crossings, etc.).

Under this alternative new term grazing permits would be issued for up to 10 years, authorizing grazing of domestic livestock on the eleven allotments. Under this alternative, livestock grazing would be permitted under grazing management systems designed to comply with the Forest Plan. The Forest Service would continue as the Lead Agency per the 2012 Agreement for Coordination Management of Rangeland (ACMR) Agreement with the Bureau of Land Management (BLM). The 2011 Cooperative Livestock Grazing Management Agreement (CLGMA) with Montana Fish, Wildlife, and Parks (FWP) for the Mount Haggin area would apply.

Tables fourteen and fifteen below, outlines the site specific Allowable Use Levels (AUL's) requirement, identified in the Forest Plan on page 25 of Chapter Three, under standard 1 for Livestock Grazing. These AUL's are applicable to all of the allotments and pastures, except the six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) associated with the Seymour Allotment. Those pastures will follow the requirements in the 2011 Cooperative Livestock Grazing Management Agreement (CLGMA).

**Table 13:** AUL's based on Properly Functioning Condition (PFC)

Riparian Parameter	Properly Functioning Condition or Function at Risk with a static or upward trend	Functioning-at-Risk with a downward trend	Non-Functioning
Forage Utilization	≤ 45% of forage utilized on suitable range on 85% of the area. Allow no more than 65% utilization on remaining 15%.	≤ 40% of forage utilized on suitable range on 85% of the area. Allow no more than 55% utilization on remaining 15%.	≤ 35% of forage utilized on suitable range on 85% of the area. Allow no more than 50% utilization on remaining 15%.
+Stream bank Disturbance	≤ 30%	≤ 25%	20 – 25
+Stubble Height	leave 4" on green line and ≥ 3" in floodplains	leave 4-6" on green line and ≥ 4" in floodplains	leave 4-6" on green line and ≥ 4" in floodplains
Woody Browse Utilization	Move cattle at shift in vegetation preference	Move cattle at shift in vegetation preference	Move cattle at shift in vegetation preference

+AUL applies to 85% of riparian habitat, by stream reach, within suitable range for each pasture. Five percent of riparian habitat could exceed standards on a repeat basis (i.e., livestock stream crossings).

**Table 14:** Upland AUL's based on Interim Grazing Standards in the Forest Plan

Upland Parameters	Deferred or Rest Rotation	Area and Key Species
Upland Range Utilization	≤ 55% of forage utilized on suitable range on 85% of the area. ≤ 65% utilization on remaining 15%.	Suitable range, Idaho fescue bluebunch wheatgrass rough fescue, or other species deemed appropriate for individual allotments
Winter Range	≤ 35% of forage utilized on suitable range on 85% of the area. Allow no more than 55% utilization on remaining 15%. Exceptions can be made if a rest pasture is available to provide winter forage.	Pastures in big game winter range as mapped in July 2006. Idaho fescue, bluebunch wheatgrass, rough fescue or other species deemed appropriate for individual allotments

#### Alternative 4 Design Features/Mitigation Measures applicable to all allotments

The following **Design Features/Mitigation Measures** are applicable to all allotments under this alternative except for the six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) in the Seymour allotment:

1. As identified in 36 CFR 222.4, permittee's for all allotments, except the six pastures in Seymour Allotment (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch), will have one year to comply with the proposed modifications.

2. The Allowable Use Levels (AUL's) in Tables fourteen and fifteen above were developed based on site specific Range, Hydrology, and Aquatic field data and are applicable to all eleven allotments, with the exception of the six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) in the Seymour allotment, which will follow the rotation outlined in the 2011 CLGMA.
3. All allotments with the exception of the Seymour Allotment will have annual compliance and long term rangeland monitoring. For the Seymour Allotment, three of the pastures (Seymour, Sullivan, and Tenmile) will have the annual compliance and long term rangeland, and wildlife use as outlined in the 2011 CLGMA agreement. The remaining six pastures (Seymour Creek, Sullivan Creek, Tenmile Creek, Salt Ridge, Moose Creek, and Mule Ranch) will have only the monitoring outlined in the 2011 CLGMA agreement.
4. All existing improvements would continue to be maintained at a level that serves their intended purposes. (i.e. The pipelines that service the tanks would be cleaned as needed to maintain water to the tank, existing wildlife escape ramps will be maintained, etc.).
5. When any one of the Allowable Use Level metrics is reached, livestock would be moved.
6. The permitted on date (date livestock are authorized to enter the allotment) could be adjusted to assure vegetative development is adequate prior to livestock grazing. Actual on or off dates would continue to be adjusted on an annual basis to provide for range readiness or to mitigate prior season grazing effects, current season forage production, weather, or other conditions when necessary.
7. Any surface disturbing activities (i.e. water developments, livestock management facilities, etc.) associated with the implementation of Allotment Management Plans are subject to compliance with Section 106 of the National Historic Preservation Act and would require intensive cultural resources inventory (Class III) prior to implementation. The identification and avoidance of cultural resources by project abandonment or redesign would mitigate any direct impacts from project implementation as protection measures and would be added to all appropriate surface disturbing actions.
8. Should cultural resources be identified during the course of project implementation, operations would cease and the South Zone Archaeologist of the Beaverhead-Deerlodge National Forest notified to complete resource documentation and evaluation for eligibility.
9. All new water developments would be spring developments with head boxes, <300 feet of piping for gravity feed to a water tank with posts and rails around the tank for protection and stabilization, and <.1 mile of fencing around the spring to exclude livestock from the spring source. The design will also include escape ramps and a mechanism, such as a float or shut-off valve to control flow of water in tanks and troughs to reduce potential impacts to sage-grouse and other birds (USDA FS 2012). Existing water tanks with no wildlife escape ramps will be retro-fitted to meet requirements.

10. All new spring water developments in sage grouse habitat would be designed to maintain free water and wet meadows and shall be designed to include escape ramps and a mechanism, such as a float or shut-off valve to control flow of water in tanks and troughs to reduce potential impacts to sage-grouse and other birds (USDA FS 2012).
11. New water developments would use non-reflective and earth-tone color materials in construction and installation. Darker earth-tone fiberglass tanks are recommended. This will reduce color contrast with the surrounding environment.
12. During construction of new water developments, minimize ground disturbance to that area needed to accomplish the work.
13. All new fencing would follow recommended fence specifications outlined in the Forest Service GTR 2400-Range 8824 2803 (USFS 1988).
14. All allotments would have Range Implementation Monitoring annually.
15. All new range improvements (fences and water developments) will be designed to avoid or reduce impacts to known sensitive plant populations (i.e. constructing riparian or spring exclosure fences to include plant populations, placement of water troughs 200 feet or greater from known populations, routing water pipe around known populations, etc.).
16. Sensitive plant population protection measures would be added to all appropriate surface disturbing actions.

### **Allotment Specific Design/Mitigation Measures**

#### ***Design Features/Mitigation Measures applicable to Pintlar Meadows and Bender Creek Tributary***

Pintlar Meadow in Pintlar Creek Allotment and Bender pasture in Mussigbrod Allotment will have the following allotment specific design/mitigation measures to help move the recovery of the stream banks during the 10 years of rest. See the Alternative maps in Appendix A1 for location of the actions.

- Cut/clip 500 – 1000 willow cuttings from various nearby streams (Pintlar Creek, Bender, Bender Trib, and Johnson Creek) during the winter.
- Plant willows along the 1000 feet of stream during the spring.
- Seeding with native plants in areas above bank full as needed along the 1000 feet of stream during the spring.
- Install grade control structures (i.e., native boulder/log weirs) using heavy equipment. Use local materials within ¼ mile of the site in Bender Pasture as applicable along the 1000 feet of stream during low water period. Grade control structures will be placed in location to stop current headcutting, recover vertical stability of the channel and reconnect historic floodplain.
- Hand tools (i.e. Pulaski, clippers, shovels, machete, and blankets, etc.) only will be used in Pintlar Meadows.

- Apply for the applicable permits from Montana Department of Environmental Quality to work in the stream and modify the stream bank in Bender pasture.
- New fencing for a drift fence in Pintlar or conversion of the temporary fence to a permanent fence in Mussigbrod will be log worm fences with 3 logs per panel, 16 feet long, and greater than 12 inches dbh (diameter at breast height) for a distance of 1,584 to 4,805 feet. Fence specifications for big game movement outlined in the Forest Service GTR 2400-Range 8824 2803 (USFS 1988) will be followed.

In addition to the above Mitigation/Design features, Pintlar Creek Allotment will have the following Scenery features applicable to Alternative 4:

- Avoid creating openings or damaging trees to remain when removing trees for fencing. This will help to minimize visible changes to the remaining stand.
- Scatter limbs and tops so as not to be evident as slash. Distributing this material throughout the area will reduce the overall effect if the activity.
- Cover stumps of cut trees with soil/duff to reduce contrast with the surrounding area.

In addition to the above Mitigation/Design features, Mussigbrod Allotment will have the following Scenery features applicable to Alternative 4:

- Select trees to be cut such that the effects of removal and removal of limbs and tops will not be visible from identified CL1 and 2 viewing platforms.

See the allotment specific actions in Tables 17 to 28 below.

## Monitoring Applicable to All Alternatives

**Heritage** - The Beaverhead-Deerlodge Forest has an existing program of monitoring important Heritage/Cultural Resource values. Priority sites are monitored a minimum of every 5 years, site forms are updated, and impacts evaluated. To date, no priority sites are identified within these allotments.

Routine project work: When routine project work occurs in areas of previously recorded sites, the sites are revisited and updated with current information on condition.

**Sensitive Plants** - The Beaverhead-Deerlodge Forest Plan calls for trend monitoring of all globally ranked G1-G3 sensitive plant species. Of the species known within the Big Hole AMP project area, this would include: wavy moonwort, and Lemhi penstemon. Trend will be assessed on a five year rotation with reports written every 5 years. Some of the populations within the allotments will be used to assess trend.

## Allotment Specific Monitoring

<b>Table 15: Allotment Specific Monitoring</b>		
<b>Allotments</b>	<b>Alternative</b>	<b>Monitoring</b>
Ruby Creek	No Action (No Grazing)	Pioneer Town Site at least once every five years.
Ruby Creek	Current Management	Pioneer Town Site at least once every five years.
Seymour	Proposed Action	Livestock and wildlife use to evaluate mutual benefits and/or problems.
Ruby Creek		Pioneer Town Site at least once every five years.
Mudd Creek and Mussigbrod		Monitor for effectiveness of mitigation/design features for water developments within one year of installation.
Seymour		Livestock and wildlife use to evaluate mutual benefits and/or problems.
Mudd Creek	Alternative 4	Monitor Upper W. Fork Meadow a minimum 1 year in 3 to make sure stream bank AUL's are being met.
Ruby Creek		Pioneer Town Site at least once every five years.
Pintlar Creek and Mussigbrod		Monitor for effectiveness of mitigation/design features relating to tree removal, slash disposal, and remaining stumps within one year of removal activity.
Mudd Creek and Mussigbrod		Monitor for effectiveness of mitigation/design features relating to water developments within one year of installation.

## Allotment Specific Actions by Alternative

<b>Table 16: Seymour Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	3	0	3	3	3
Number of Pastures	NA	0	8	9	9
Co-Managed/ partners	NA	NA	BLM/MTFWP	BLM/MTFWP	BLM/MTFWP
Head Month Numbers	1410	0	Up to 297 on NFS lands to be consistent with FWP grazing agreement for Mt. Haggin Wildlife Management Area	Up to 297 on NFS lands to be consistent with FWP grazing agreement for Mt. Haggin Wildlife Management Area	Up to 297 on NFS lands to be consistent with FWP grazing agreement for Mt. Haggin Wildlife Management Area
Livestock Number (Cow/Calf pairs)	398	0	323 – active 75 - unallocated	398	323 (the 75 head that are unallocated in the FS Tenmile pasture will not be reallocated)
Season of Use (SOU)	6/16-10/10	NA	6/16-10/ 5 not to exceed 52 days of use within these dates on NFS lands to be consistent with FWP grazing agreement for Mt. Haggin Wildlife Management Area.	6/16-10/5 not to exceed 52 days of use within these dates on NFS lands to be consistent with FWP grazing agreement for Mt. Haggin Wildlife Management Area See Table 18 below.	6/16-10/5 not to exceed 52 days of use within these dates. See Table 18 below for FWP Mt. Haggin.

<b>Table 16: Seymour Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Grazing System	NA	NA	8 pasture Rest-rotation. The FS Tenmile pasture is currently unallocated	9 pasture Rest-rotation to be consistent with FWP grazing plans including the FS Tenmile.	9 pasture Rest-rotation to be consistent with FWP grazing system (See table 17 below) except Forest Service Tenmile pasture which would be grazed once every 3 years, and only during a modified late grazing period of August 25 to October 5.
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on Properly Functioning Condition (PFC) and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on Properly Functioning Condition (PFC) and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	None	No Additions	None	None	None
Miles of Fencing	NA	No Additions	19	No additions	No additions
Number of dead trees cut for fencing	NA	NA	NA	NA	NA
Miles of Piping	NA	No Additions	.1	No Additions	No Additions
Number of	NA	No Additions	1	No Additions	No Additions

<b>Table 16: Seymour Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Springs					
Number of Water Tanks	NA	No Additions	1	No Additions	No Additions
Number of Exclosure's	NA	No Additions	1 (campground)	1 Western Toad breeding exclosure to improve breeding habitat.	1 Western Toad breeding exclosure (Sullivan Pasture) to improve breeding habitat.
Hardened Crossings	NA	0	0	No additions	No additions
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

For this allotment the change in Head Months (HM) and season of use (SOU) is based on the numbers run since 2009 in order to meet the Interim Livestock Grazing Standards in the Forest Plan (FP), and to comply with the Fish, Wildlife, and Parks (FWP) grazing agreement for Mt. Haggin Wildlife Management Area of 2011. The permitted 1410 HM's also reflected transitory range that is no longer available because the timber harvest areas have grown back in.

The SOU as outlined in the 2011 agreement with FWP's identifies an early (June 16 – August 15<sup>th</sup>), a late (August 15<sup>th</sup> to October 5<sup>th</sup>), and a rest period. For each of FWP's six pastures, there is a formula for the SOU and rest for the years 2011 to 2020. Two of the adjoining Forest Service pastures (Seymour and Sullivan) will match the SOU and rest for a particular year with the FWP's pastures

(Seymour Creek and Sullivan Creek). The Forest Service's Tenmile Pasture will be grazed once every 3 years and only during a modified late season that will open the gates into the pasture August 25<sup>th</sup> to October 5<sup>th</sup>, to protect WCT during spawning under Alternative 4 only (See table 18 below).

<b>Table 17: Seymour SOU by Pasture As Outlined in the 2011 CLGMA</b>			
<b>Pasture</b>	<b>Year</b>		
	2011	2012	2013
	2014	2015	2016
	2017	2018	2019
	2020		
Seymour Creek, Seymour, Sullivan Creek, Sullivan	Early	Late	Rest
Tenmile Creek	Late	Rest	Early
Tenmile	Late	Rest	Rest
Salt Ridge	Late	Rest	Early
Moose Creek and Mule Ranch	Rest	Early	Late

**Table 18:** Fishtrap Allotment

<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	2	0	2	2	2
Number of Pastures	NA	NA	2	2	2
Co-Managed/ partners	NA	NA	None	None	None
Head Month Numbers	535	0	460	Change the Head months on the permit to match the existing 460.	Change the Head months on the permit to match the existing 460.
Livestock Number (Cow/Calf pairs)	152	0	152	152	152
Season of Use (SOU)	6/16-9/30	NA	6/16- 9/15	6/16-9/15	6/16-9/15
Grazing System	NA	NA	2 pasture Deferred Rotation	2 Pasture Deferred Rotation	2 Pasture Deferred Rotation. Rest the entire allotment 1 year in 3.
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	NA	NA	None	None	None
Miles of Fencing	NA	No Additions	6	No additions	No additions

<b>Table 18: Fishtrap Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of dead trees cut for fencing	NA	NA	NA	NA	NA
Miles of Piping	NA	No Additions	0	No additions	No additions
Number of Springs	NA	No Additions	0	No additions	No additions
Number of Water Tanks	NA	No Additions	0	No additions	No additions
Number of Exclosure's	NA	No Additions	0	No additions	No additions
Hardened Crossings	NA	No Additions	0	No Additions	No Additions
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

The change in the Head Months (HM) is based in part on the numbers run over the last several years and the change in the Season of Use (SOU).

**Table 19:** Mudd Creek Allotment

<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	1	0	1	1	1
Number of Pastures	NA	NA	1	1	1
Co-Managed/ partners	NA	NA	None	None	None
Head Month Numbers	414	0	414	414	414
Livestock Number (Cow/Calf pairs)	137	0	137	137	137
Season of Use (SOU)	6/16-9/15	NA	6/16-9/15	6/16-9/15	6/16-9/15
Grazing System	NA	NA	1 pasture deferred	1 pasture deferred	1 pasture deferred. Rest the entire allotment 1 year in 3.
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	NA	None	None	None	None
Miles of Fencing	NA	No Additions	12	No additions	.1 (For the spring development)
Number of dead trees cut for fencing	NA	NA	NA	NA	NA

**Table 19:** Mudd Creek Allotment

<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Miles of Piping	NA	No Additions	.1	Add .1	Add .1
Number of Springs	NA	No Additions	1	Add 1	Add 1
Number of Water Tanks	NA	No Additions	2	Add 1	Add 1
Number of Exclosure's	NA	No Additions	1	No additions	No additions
Hardened Crossings	NA	No Additions	0	No Additions	No Additions
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

<b>Table 20: Pintlar Creek Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	1	0	1	1	1
Number of Pastures	NA	NA	1	1	1
Co-Managed/ partners	NA	NA	None	None	None
Head Month Numbers	440	0	440	440	408
Livestock Number (Cow/Calf pairs)	125	0	250	250	250
Season of Use (SOU)	6/16-9/30	NA	6/16-8/7	6/16-9/30 not to exceed 53 days of use within these dates on NFS lands.	6/16 – 9/30 not to exceed 49 days of use within these dates on NFS lands.

**Table 20: Pintlar Creek Allotment**

<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Grazing System	NA	NA	1 pasture partly deferred	1 pasture with livestock entry deferred every other year.	- 1 pasture with livestock entry deferred every other year. Deferred entry date would be approximately August 1. -There will be a designated special area located in section 18, that will be grazed 1 out of every 3 years with up to 20 HM, for up to 14 days with variable entry times. -The Pintlar Meadow portion of the allotment will be rested for a minimum of ten years.
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	NA	NA	None	None	None
Miles of Fencing	NA	No Additions	10	No Additions	Add .3 mile worm fence in Pintlar Meadow.
Number of dead trees cut for fencing	NA	NA	NA	NA	50. Some may be in the wilderness.

**Table 20: Pintlar Creek Allotment**

<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Miles of Piping	NA	No Additions	.1	No additions	No additions
Number of Springs	NA	No Additions	1	No additions	No additions
Number of Water Tanks	NA	No Additions	4	No additions	No additions
Number of Exclosure's	NA	No Additions	3 (1 campground, 1 riparian, and 1 temporary)	Change the temporary to permanent	-Change one temporary to permanent along Pintlar Allotment tributary of York Gulch. -Change 1 riparian exclosure located in section 18, to a designated special area called Pintlar Allotment Special Area.
Hardened Crossing	NA	No Additions	0	No additions	No additions
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

**Table 21: Mussigbrod Allotment**

<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	1	NA	1	1	1
Number of Pastures	NA	NA	2	2	1
Co-Managed/ partners	NA	NA	BLM	BLM	BLM
Head Month Numbers	626	0	413	Change permit to up to 325	Change permit to up to 248
Livestock Number (Cow/Calf pairs)	207	0	165	Change the cow/calf number on the permit to up to 165	Change the cow/calf number on the permit to up to 165
Season of Use (SOU)	7/1-9/30	NA	7/1-9/13	7/1-9/30 not to exceed 59 days of use within these dates on NFS lands	7/1-9/30 not to exceed 45 days of use within these dates
Grazing System	NA	NA	2 pasture Deferred Rotation	2 pasture Deferred Rotation with complete rest of the allotment 1 year out of 3.	1 pasture deferred with rest of the entire pasture 1 year out of 3. Bender pasture will be rested for a minimum of 10 years.
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	NA	NA	None	None	None
Miles of Fencing	NA	No additions	7	Add 1 mile	Add .1 (for spring development)

Table 21: Mussigbrod Allotment					
Description Item	* Permitted	** No Action	***Current Management	Proposed Action	Alternative 4
Number of dead trees cut for fencing	NA	NA	NA	NA	150 trees for enclosure fencing in Mussigbrod pasture
Miles of Piping	NA	No additions	.3	Add .14	Add .14
Number of Springs	NA	No additions	5	Add 1	Add 1
Number of Water Tanks	NA	No additions	5	Add 1	Add 1
Number of Exclosure's	NA	No additions	3 Temporary and 1 campground	Convert 3 temporary to 2 permanent	-Convert 1 temporary to 1 permanent worm fence in Mussigbrod pasture along House Draw. - Remove all enclosure fencing in Bender Pasture
Hardened Crossings	NA	0	0	0	0
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

**Table 22: Ruby Creek Allotment**

<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	2	0	2	2	2
Number of Pastures	NA	NA	3	3	3
Co-Managed/ partners	NA	NA	None	None	None
Head Month Numbers	714 (cattle)	0	714 (cattle)	714 (cattle)	613 (cattle)
	85 (horses)	0	85 (horses)	85 (horses)	72 (horses)
Livestock Number (Cow/Calf pairs and mature horses)	283 cattle	0	283 cattle	283 cattle	283 cattle
	28 horses	0	28 horses	28 horses	28 horses
Season of Use (SOU)	6/16 - 9/30 cattle	NA	6/16 - 9/30 cattle	6/16 - 9/30 cattle	7/1 - 9/30 cattle
	7/1-9/30 horses	NA	6/16-9/15 horses	6/16-9/15 horses	7/1-9/15 horses
Grazing System	NA	NA	3 pasture Partially Deferred with Butler pasture season long for horses.	3 pasture Partially Deferred with Butler pasture rested 1 year out of 3.	3 pasture, Partially Deferred with Butler pasture rested 1 year out of 3 for horses. Livestock entry into Cow Creek pasture would be deferred to approximately August 1 every other year.
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).

**Table 22: Ruby Creek Allotment**

<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Avoidance Period	NA	NA	None	None	None
Miles of Fencing	NA	No additions	14	No Additions	Add .25 mile of Drift fence in Cow Creek pasture
Number of dead trees cut for fencing	NA	NA	NA	NA	NA
Miles of Piping	NA	No additions	.1	No Additions	No Additions
Number of Springs	NA	No additions	1	No Additions	No Additions
Number of Water Tanks	NA	No additions	1	No Additions	No Additions
Number of Exclosure's	NA	No additions	4	No Additions	No Additions
Hardened Crossings	NA	0	0	3	3
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

<b>Table 23: Dry Creek Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	1	0	1	1	1
Number of Pastures	NA	NA	2	2	2
Co-Managed/ partners	BLM	NA	BLM	BLM	BLM
Head Month Numbers	302	0	222	Change the Head Months on the permit to match the existing 222	Change the Head Months on the permit to 222
Livestock Number (Cow/Calf pairs)	100	0	150	Change the Cow/Calf numbers on the permit to match the existing 150	Change the number on the permit to 150
Season of Use (SOU)	7/1-9/30	NA	8/10-9/23	8/10-9/23	8/10-9/23
Grazing System	NA	NA	2 Pasture Deferred Rotation	2 pasture Deferred Rotation that incorporates complete allotment rest 1 year out of every 3 years	2 pasture Deferred Rotation that incorporates complete allotment rest 1 year out of every 3 years
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	NA	None	None	None	None

<b>Table 23: Dry Creek Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Miles of Fencing	NA	No additions	8	No additions	No additions
Number of dead trees cut for fencing	NA	NA	NA	NA	NA
Miles of Piping	NA	No additions	.1	No additions	No additions
Number of Springs	NA	No additions	1	No additions	No additions
Number of Water Tanks	NA	No additions	1	No additions	No additions
Number of Exclosure's	NA	No additions	1 campground	No additions	No additions
Hardened Crossings	NA	0	0	0	0
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

<b>Table 24: Twin Lakes Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	2	0	2	2	2
Number of Pastures	NA	NA	4	4	4
Co-Managed/ partners	NA	NA	None	None	None
Head Month Numbers	418 ULBL	0 ULBL	249 ULBL	Change the Head Months on the permit up to 249	Change permit to read up to 249 on ULBL
	551 ULLL	0 ULLL	360 ULLL	Change the Head Months on the permit to match the existing 360	Change permit to 360
Livestock Number (Cow/Calf pairs)	132 ULBL	0 ULBL	166 ULBL	Change the Cow/Calf numbers on the permit to match the existing 166	Change the number on the permit to 166 for ULBL
	174 ULLL	0 ULLL	174 ULLL	174 ULLL	174 ULLL
Season of Use (SOU)	6/26-9/30	NA	7/15-9/12 ULBL with up to 45 days of use within these dates on NFS lands.	7/15-9/12 ULBL not to exceed 45 days of use within these dates on NFS lands.	7/15-9/12 ULBL with up to 45 days of use within these dates
			7/10-9/10 ULLL	7/10-9/10 ULLL	7/10-9/10 ULLL

<b>Table 24: Twin Lakes Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Grazing System	NA	NA	ULBL - 2 Pasture Deferred	2 pastures that incorporate rest 2 years out of 6 on the ULBL portion of the allotment, and deferred entry till Aug. 1 every other year.	2 pastures that incorporate rest 2 years out of 6 on the ULBL portion of the allotment, and deferred entry of approximately Aug. 1 every other year.
	NA	NA	ULLL - 2 Pasture Modified Rest with rest 2 years out of 6	2 pasture Modified Rest (ULLL) with rest 2 years out of 6.	2 pasture Modified Rest with rest 2 years out of 6 for ULLL
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	NA	NA	None	None	None
Miles of Fencing	NA	No Additions	8	No Additions	No Additions
Number of dead trees cut for fencing	NA	NA	NA	NA	NA
Miles of Piping	NA	No Additions	8	No Additions	No Additions
Number of Springs	NA	No Additions	0	No Additions	No Additions
Number of Water Tanks	NA	No Additions	0	No Additions	No Additions

<b>Table 24: Twin Lakes Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Exclosure's	NA	No Additions	0	No Additions	No Additions
Hardened Crossing	NA	0	0	No Additions	No Additions
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

- *ULBL* – Upper and Lower Big Lake
- *ULLL* – Upper and Lower Little Lake

The changes in Head Months (HM) is based in part on the numbers run over the last several years and the ability to meet the Interim Livestock Grazing Standards in the Forest Plan,

<b>Table 25: Monument Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	1	0	1	1	1
Number of Pastures	NA	NA	2	2	2
Co-Managed/ partners	NA	NA	None	None	None
Head Month Numbers	868	0	868	868	868
Livestock Number (Cow/Calf pairs)	300	0	300	300	300
Season of Use (SOU)	7/20-10/15	NA	7/20-10/15	7/20-10/15	7/20-10/15
Grazing System	2 Pasture Deferred Rotation	NA	2 Pasture Deferred Rotation	2 Pasture Deferred Rotation	2 Pasture Deferred Rotation with rest of the entire allotment 1 year in 4.
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	NA	NA	None	None	None
Miles of Fencing	NA	No Additions	20	No Additions	No Additions
Number of dead trees cut for fencing	NA	NA	NA	NA	NA
Miles of Piping	NA	No Additions	0	No Additions	No Additions
Number of Springs	NA	No Additions	0	No Additions	No Additions
Number of Water Tanks	NA	No Additions	0	No Additions	No Additions
Number of Exclosure's	NA	No Additions	1 Campground	No Additions	No Additions

Table 25: Monument Allotment					
Description Item	* Permitted	** No Action	***Current Management	Proposed Action	Alternative 4
Harden Crossing	NA	0	0	No Additions	No Additions
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

<b>Table 26: Pioneer Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	1	0	1	1	1
Number of Pastures	NA	NA	3	3	3
Co-Managed/ partners	NA	NA	None	None	None
Head Month Numbers	792	0	542	Modify grazing permit numbers to reflect current authorized numbers of 542	Modify the permit for up to 542 Head Months.
Livestock Number (Cow/Calfpairs)	250	0	250	250	250
Season of Use (SOU)	6/26-9/30	NA	7/7-9/10	7/7-9/10	7/7-9/10
Grazing System	NA	NA	3 Pasture Deferred Rotation	3 Pasture Deferred Rotation	3 Pasture Deferred Rotation with rest of the entire allotment 1 year in 4.
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).
Avoidance Period	NA	NA	None	None	None
Miles of Fencing	NA	No additions	17	No additions	No additions
Number of dead trees cut for fencing	NA	NA	NA	NA	NA
Miles of Piping	NA	No additions	0	No additions	No additions
Number of Springs	NA	No additions	0	No additions	No additions

<b>Table 26: Pioneer Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Water Tanks	NA	No additions	0	No additions	No additions
Number of Exclosure's	NA	No additions	1 campground	No additions	No additions
Hardened Crossing	NA	0	0	No additions	No additions
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

The change in the Head Months (HM) is based in part on the numbers run over the last several years and the ability to meet existing Interim Livestock Grazing Standards in the Forest Plan.

<b>Table 27: Saginaw Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Number of Permittee's	2	0	2	2	2
Number of Pastures	NA	NA	4	4	4
Co-Managed/ partners	NA	NA	None	None	None
Head Month Numbers	1210	0	690	690	Modify permit number for up to 620
Livestock Number (Cow/Calf pairs)	400	0	300	300	Modify the permit number for up to 300
Season of Use (SOU)	7/1-9/30	NA	7/10-9/17	7/10-9/17	Pastures 1-3, 7/17-9/17. Pasture 4 SOU will be 8/26-9/17 with no more than 150 Cow/Calf pairs.
Grazing System	NA	NA	4 Pasture Rest Rotation	4 Pasture Rest Rotation	4 Pasture Rest Rotation
Allowable Use Levels (AUL)	NA	NA	FP Interim Livestock Grazing	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).	Site specific based on PFC and trend calls to meet FP Standard. (FP Ch. 3, pg. 25, Standard 1).

<b>Table 27: Saginaw Allotment</b>					
<b>Description Item</b>	<b>* Permitted</b>	<b>** No Action</b>	<b>***Current Management</b>	<b>Proposed Action</b>	<b>Alternative 4</b>
Avoidance Period	NA	NA	None	None	7/10-8/25
Miles of Fencing	NA	No Additions	24	No Additions	No additions
Number of dead trees cut for fencing	NA	NA	NA	NA	NA
Miles of Piping	NA	No Additions	.6	No Additions	No Additions
Number of Springs	NA	No Additions	6	No Additions	No Additions
Number of Water Tanks	NA	No Additions	6	No Additions	No Additions
Number of Exclosure's	NA	No Additions	0	No Additions	No Additions
Hardened Crossing	NA	0	0	No Additions	No Additions
Monitoring	NA	Once every five to ten years to determine the condition of the remaining infrastructure	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.	Annual Compliance and Long-term rangeland.

\* - *Permitted* numbers are those numbers/information that is on the existing grazing permit.

\*\* - *No Action* is defined as no domestic livestock on the allotment.

\*\*\* - *Current management* is defined as the numbers/infrastructure that exists on the ground at this time.

The change in the Head Months (HM) is based in part on the numbers run over the last several years and the ability to meet existing Interim Livestock Grazing Standards in the Forest Plan.